

Title (en)  
CATHODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY COMPRISING SAME

Title (de)  
KATHODENAKTIVMATERIAL FÜR LITHIUMSEKUNDÄRBATTERIE SOWIE LITHIUMSEKUNDÄRBATTERIE DAMIT

Title (fr)  
MATÉRIAU ACTIF DE CATHODE POUR BATTERIE SECONDAIRE AU LITHIUM, ET BATTERIE SECONDAIRE AU LITHIUM COMPORTANT LEDIT MATÉRIAU ACTIF

Publication  
**EP 3890071 A4 20220302 (EN)**

Application  
**EP 19889609 A 20191129**

Priority  

- KR 20180152147 A 20181130
- KR 2019016790 W 20191129

Abstract (en)  
[origin: EP3890071A1] A positive active material for a lithium secondary battery and a lithium secondary battery including the same are provided, wherein the positive active material includes lithium, nickel, cobalt, manganese, and a doping element, and the doping element may include Zr, Al, and Ti.

IPC 8 full level  
**H01M 4/525** (2010.01); **C01G 53/00** (2006.01); **H01M 4/505** (2010.01); **H01M 10/052** (2010.01)

CPC (source: EP KR)  
**C01G 53/00** (2013.01 - EP); **C01G 53/006** (2013.01 - EP); **C01G 53/50** (2013.01 - EP); **H01M 4/505** (2013.01 - EP KR); **H01M 4/525** (2013.01 - EP KR); **H01M 10/052** (2013.01 - EP KR); **C01P 2002/52** (2013.01 - EP); **C01P 2002/60** (2013.01 - EP); **C01P 2002/74** (2013.01 - EP); **C01P 2002/77** (2013.01 - EP); **C01P 2004/61** (2013.01 - EP); **C01P 2004/84** (2013.01 - EP); **H01M 2300/0017** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP)

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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**EP 19889609 A 20191129**; CN 201980079229 A 20191129; KR 20190157312 A 20191129